

Docket No. 274380US0PCT

JUL 15 2005

MAIL TOP PCT PCT
JC10 Rec'd PCT/PTO 15 JUL 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Noriya IZU, et al.

SERIAL NO: 10/540,873

GAU:

FILED: June 27, 2005

EXAMINER:

FOR: PROCESS FOR PRODUCING OXYGEN PARTIAL PRESSURE DETECTING PART OF RESISTANCE
OXYGEN SENSOR

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLO, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Norman F. Oblon

Registration No. 24,618

Customer Number

22850


Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423

JUL 15 2005

SHEET 1 OF 1

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY DOCKET NO. 274380US0PCT		SERIAL NO. 10/540,873	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Noriya IZU, et al.		FILING DATE June 27, 2005		GROUP	
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								
	AL								
	AM								
	AN								
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO				
	AO	56-058652	05/21/1981	JP(with English abstract)					NO
	AP	55-137334	10/27/80	JP(with English abstract)					NO
	AQ	62-174644	07/31/87	JP(with English abstract)					NO
	AR	07-063719	03/10/95	JP(with English abstract)					NO
	AS	2002-255515	09/11/02	JP(with English abstract)					NO
	AT								
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)									
	AU	N. IZU et al., "Resistive Oxygen Gas Sensors Based on Fine Powders of Cerium Oxide Prepared by Mist Pyrolysis", Chemical Sensors, Vol. 17, Supplement B, pages 151-153, December 4, 2001.							
	AV	Noriya IZU et al., "Numerical analysis of response time for resistive oxygen gas sensors", Sensors and Actuators B, Vol. 87, No. 1, pages 99-104, November 15, 2002.							
	AW	H.J. BEIE et al., "Oxygen Gas Sensors Based on CeO2 Thick and Thin Films", Sensors and Actuators B, Vol. 4, No. 3, pages 393-399, July 5, 1991.							
	AX	T. IVERS-TIFFEE et al., "ELECTRONIC CONDUCTIVITY OF CERIA", High Tech. Ceramics, pages 1933 to 1941, October 23, 1987.							
	AY	Noriya IZU et al., "Sanka Cerium Biryushi o Mochiita Teikogata Sanso Gas Sensors", The Ceramic Society of Japan, Dai 14 Kai Shuki Symposium Koen Yokosho, page 14, September 26, 2001.							
	AZ	E.B. VARHEGYI et al., "Auger and SIMS study of segregation and corrosion behaviour of some semiconducting oxide gas-sensor materials", Sensors and Actuators B, Vol. 18-19, pages 569-572, 1994.						<input type="checkbox"/> Additional References sheet(s) attached	
Examiner		/Xiao Zhao/				Date Considered		07/18/2008	

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /X.Z./



U.S. PCT Application Serial No.: 10/540,873
Docket No.: 274380US0PCT

STATEMENT OF RELEVANCY

- 1) References AO and AU-AY have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) Reference _____ have been cited in the corresponding _____ Search Report. A copy of this reference is being submitted herewith.
- 3) References AP-AS and AZ are discussed in the specification. A copy of these references is being submitted here with.
- 4) Reference _____ is additional prior art known to Applicant. A copy of these references is being submitted herewith.